W 13777

FIG. 1

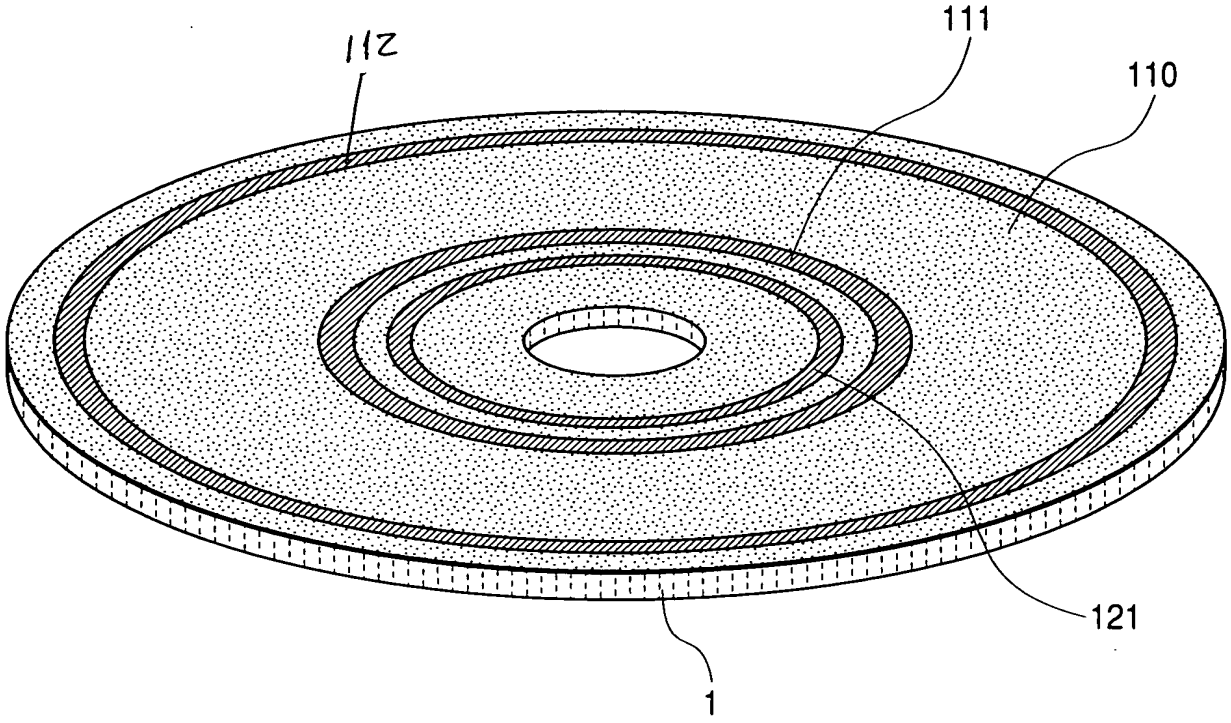


FIG. 2

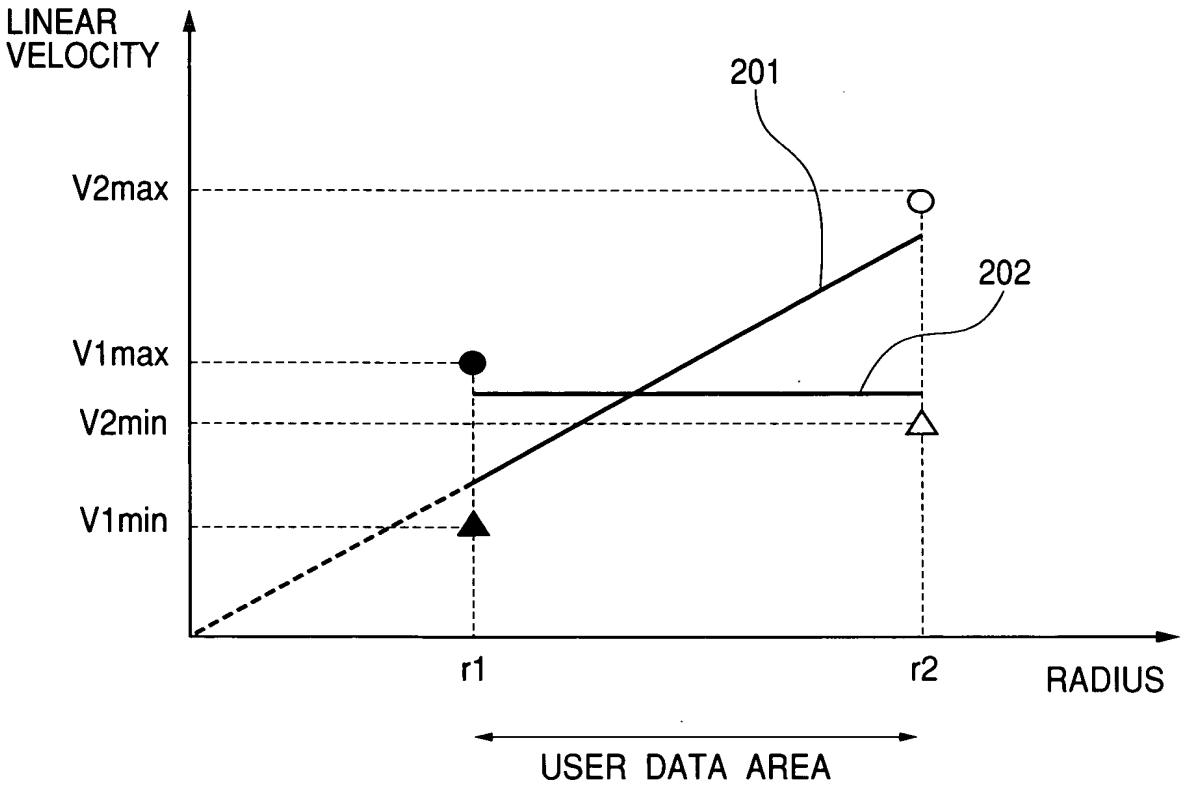

LINEAR VELOCITY
201
V2max
202
V1max
V2min
V1min
r1
r2
RADIUS
USER DATA AREA

FIG. 3

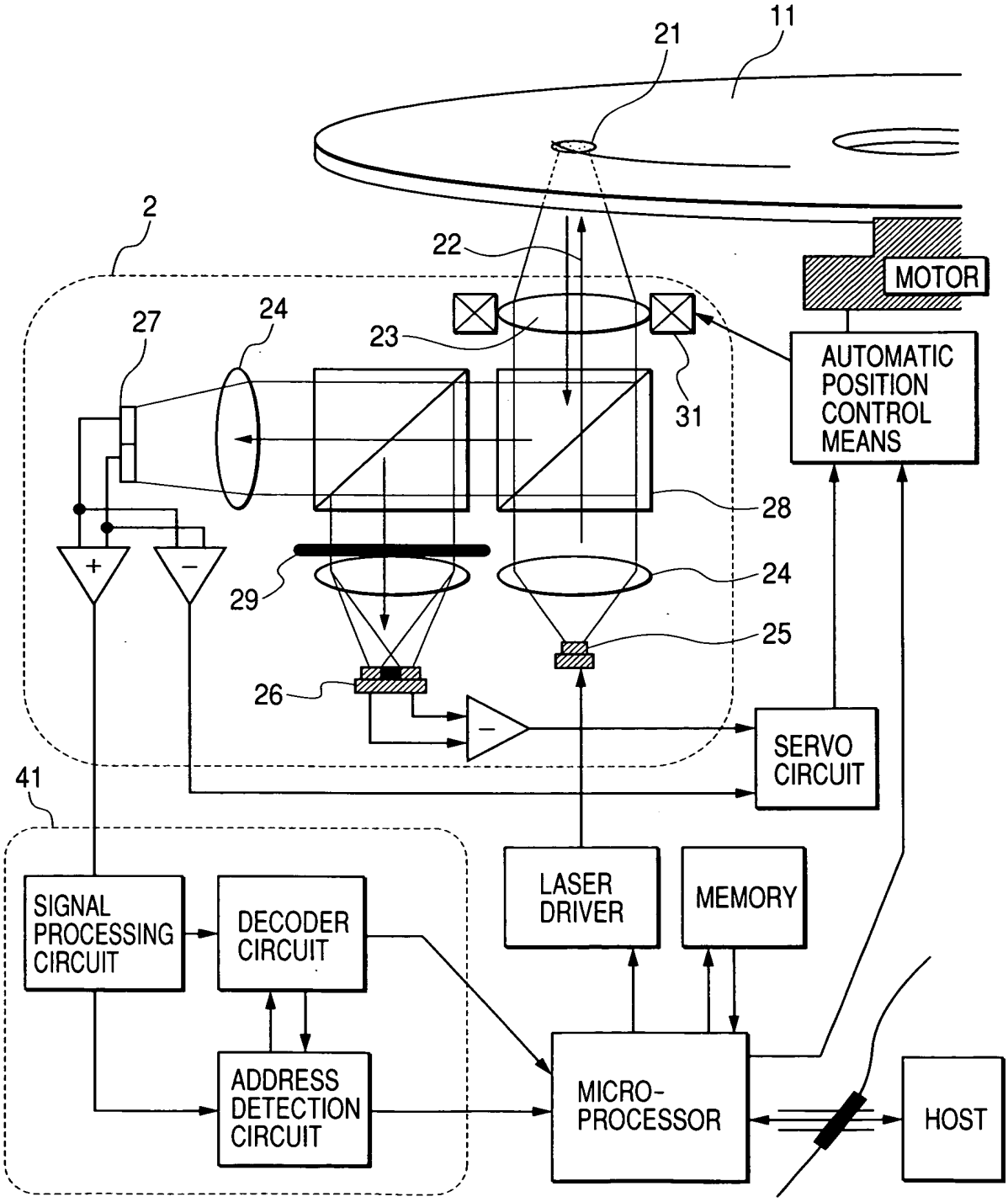

21
11
2
22
MOTOR
27
24
23
31
AUTOMATIC POSITION CONTROL MEANS
28
+
−
29
24
25
26
−
SERVO CIRCUIT
41
SIGNAL PROCESSING CIRCUIT
DECODER CIRCUIT
LASER DRIVER
MEMORY
ADDRESS DETECTION CIRCUIT
MICRO-PROCESSOR
HOST

FIG. 4

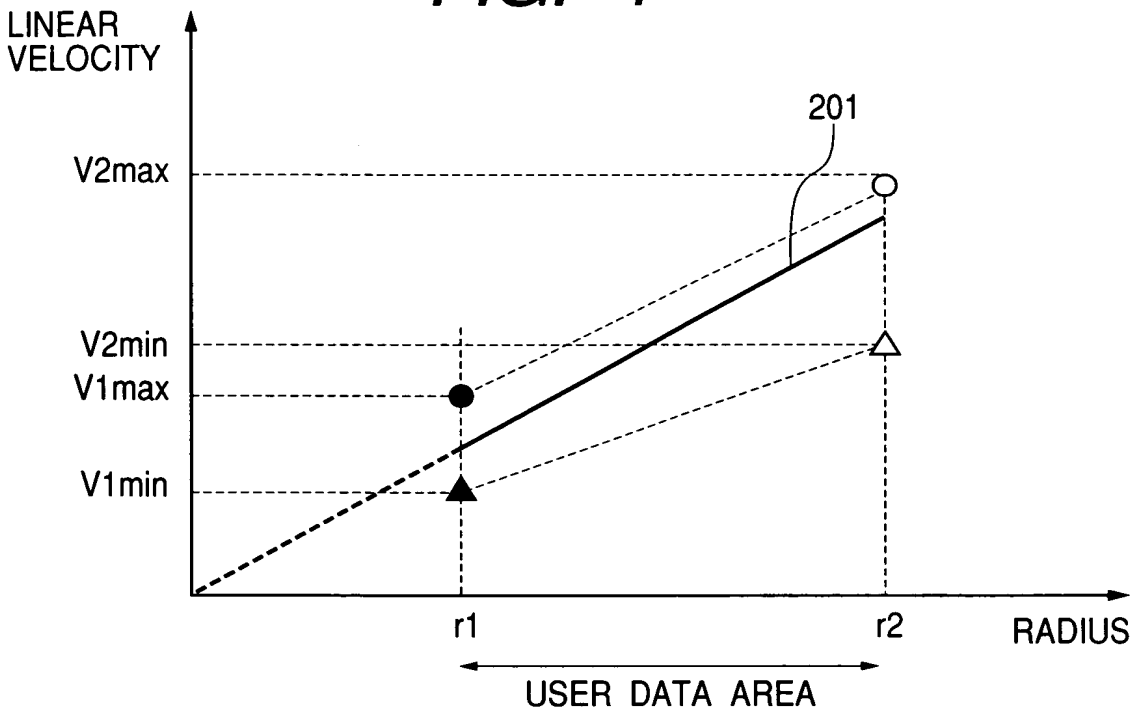

LINEAR VELOCITY
201
V2max
V2min
V1max
V1min
r1
r2
RADIUS
USER DATA AREA

FIG. 5

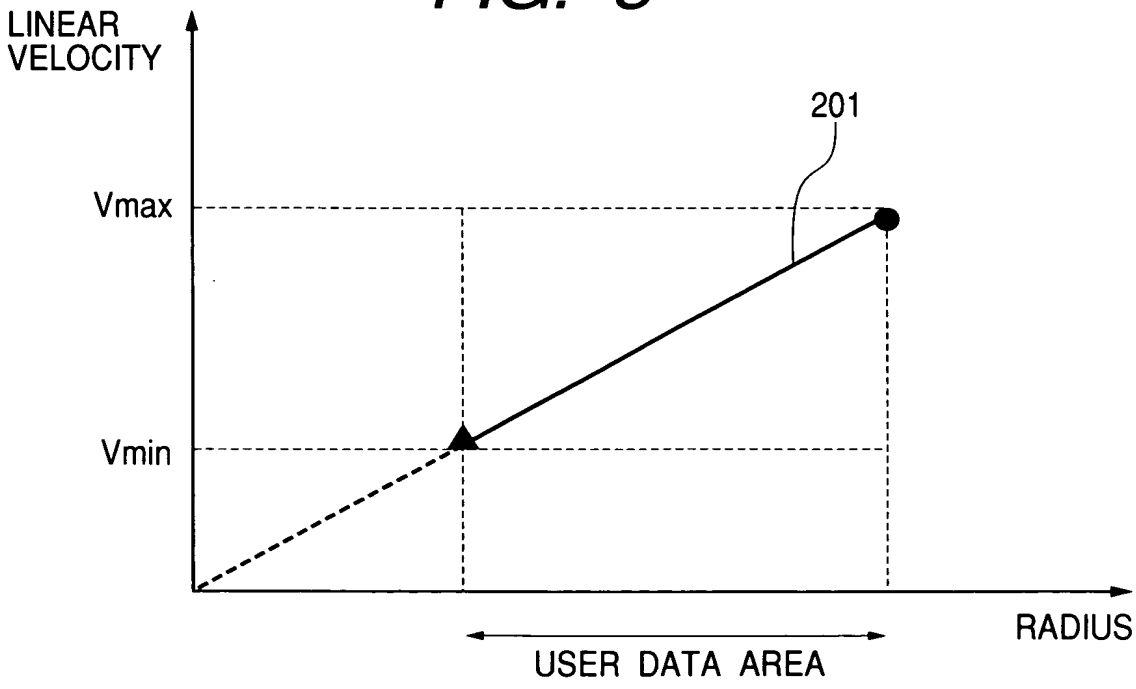

LINEAR VELOCITY
201
Vmax
Vmin
RADIUS
USER DATA AREA

FIG. 6

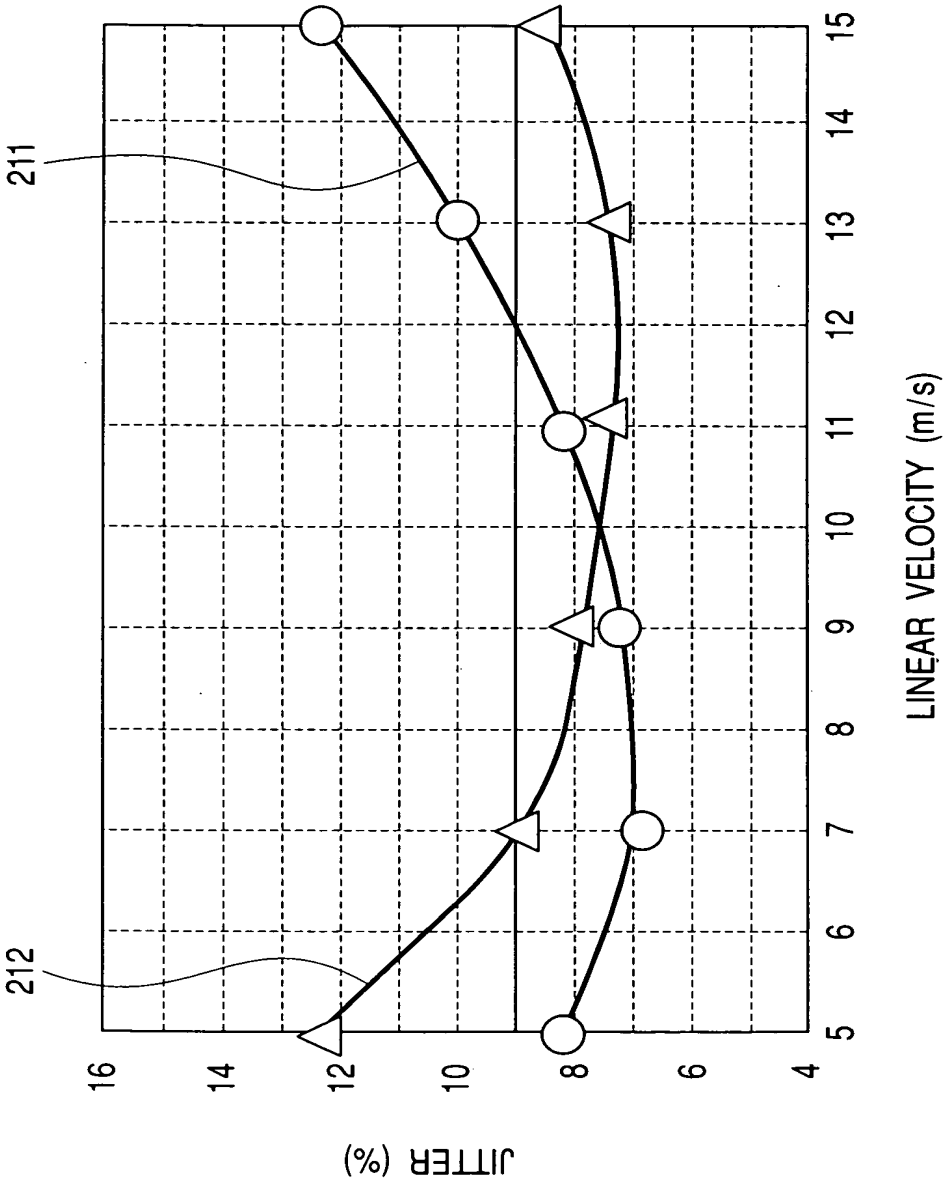

211
212
JITTER (%)
16
14
12
10
8
6
4
LINEAR VELOCITY (m/s)
5
6
7
8
9
10
11
12
13
14
15

FIG. 7

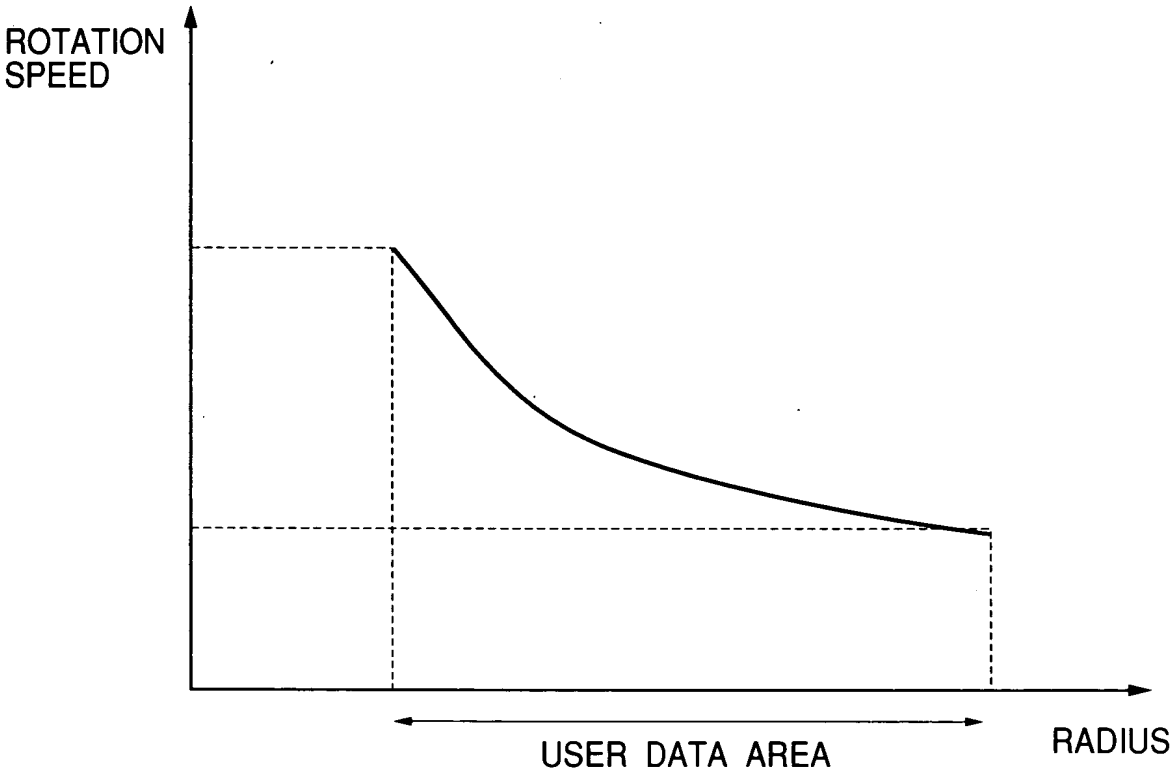


FIG. 8

RBP	ITEMS	CONTENTS
0	MINIMUM LINEAR VELOCITY AT INNER MOST RADIUS	V1min(m/s)×10
1	RECORDING POWER AT V1min	Pv1min(mW)×10
2	RECORDING PULSE ADJUSTMENT WIDTH AT V1min	ΔTv1min/Tw×100
3	MAXIMUM LINEAR VELOCITY AT INNER MOST RADIUS	V1max(m/s)×10
4	RECORDING POWER AT V1max	Pv1max(mW)×10
5	RECORDING PULSE ADJUSTMENT WIDTH AT V1max	ΔTv1max/Tw×100
6	MINIMUM LINEAR VELOCITY AT OUTER MOST RADIUS	V2min(m/s)×10
7	RECORDING POWER AT V2min	Pv2min(mW)×10
8	RECORDING PULSE ADJUSTMENT WIDTH AT V2min	ΔTv2min/Tw×100
9	MAXIMUM LINEAR VELOCITY AT OUTER MOST RADIUS	V2max(m/s)×10
10	RECORDING POWER AT V2max	Pv2max(mW)×10
11	RECORDING PULSE ADJUSTMENT WIDTH AT V2max	ΔTv2max/Tw×100

FIG. 9

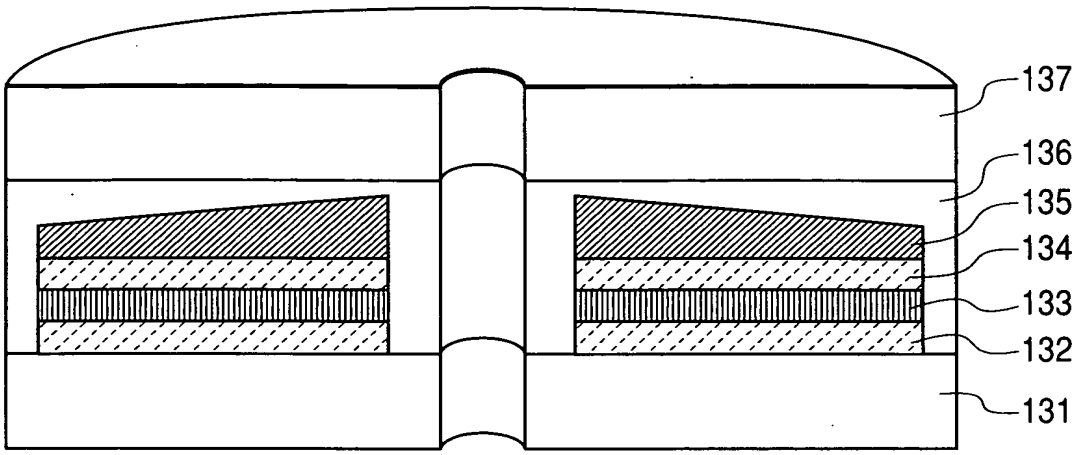


FIG. 10

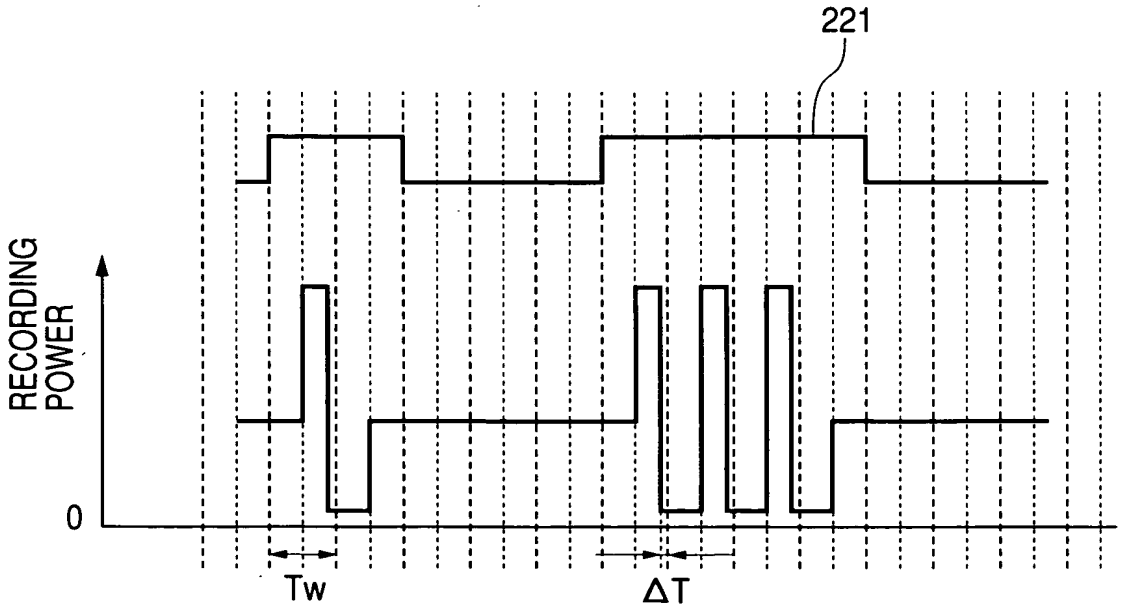


FIG. 11

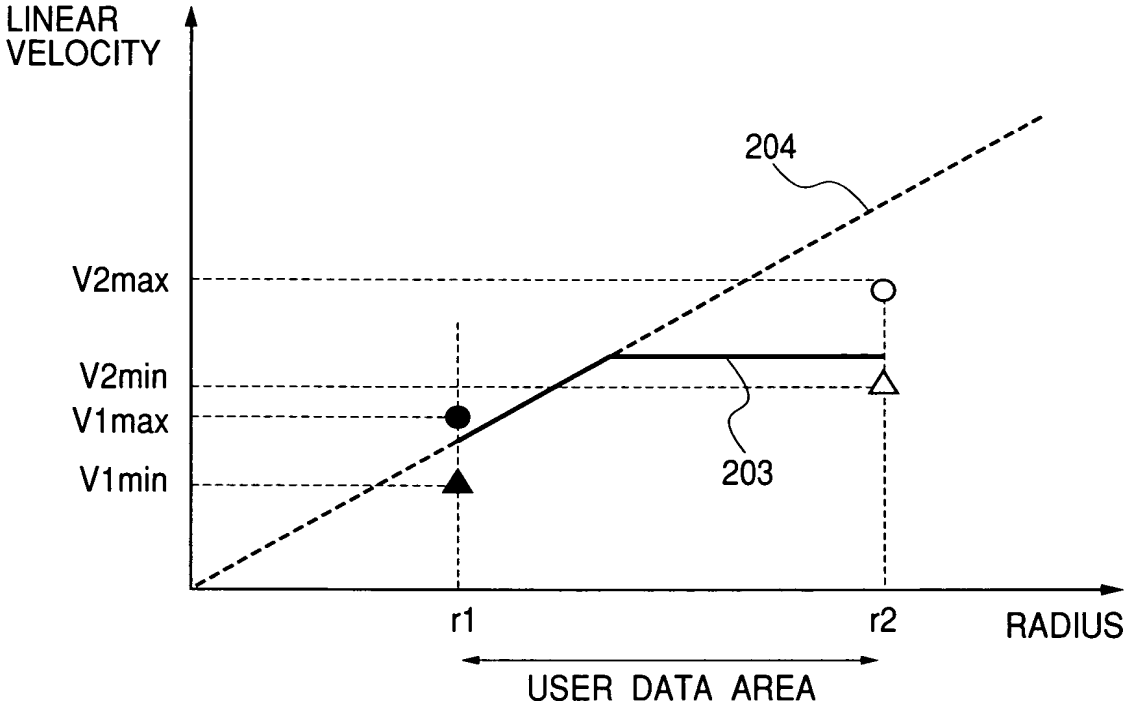

LINEAR
VELOCITY
204
V2max
V2min
V1max
V1min
203
r1
r2
RADIUS
USER DATA AREA

FIG. 12

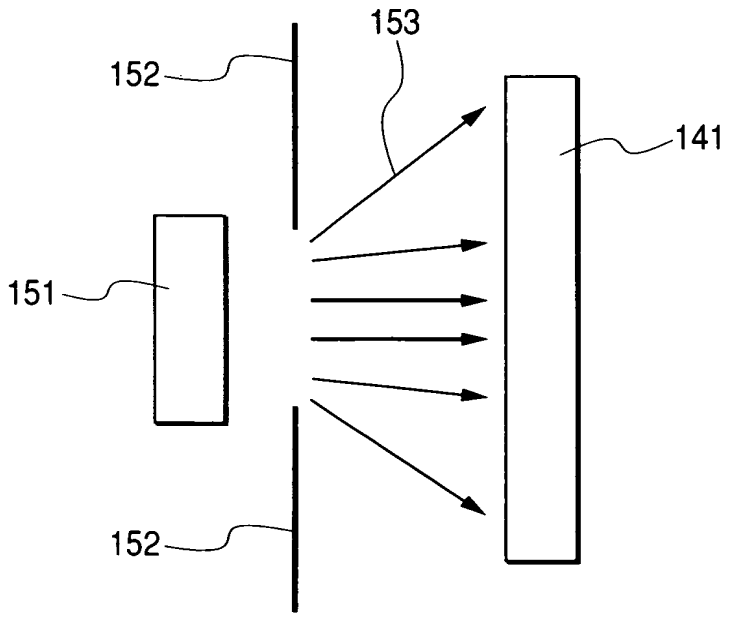

153
152
141
151
152

FIG. 13

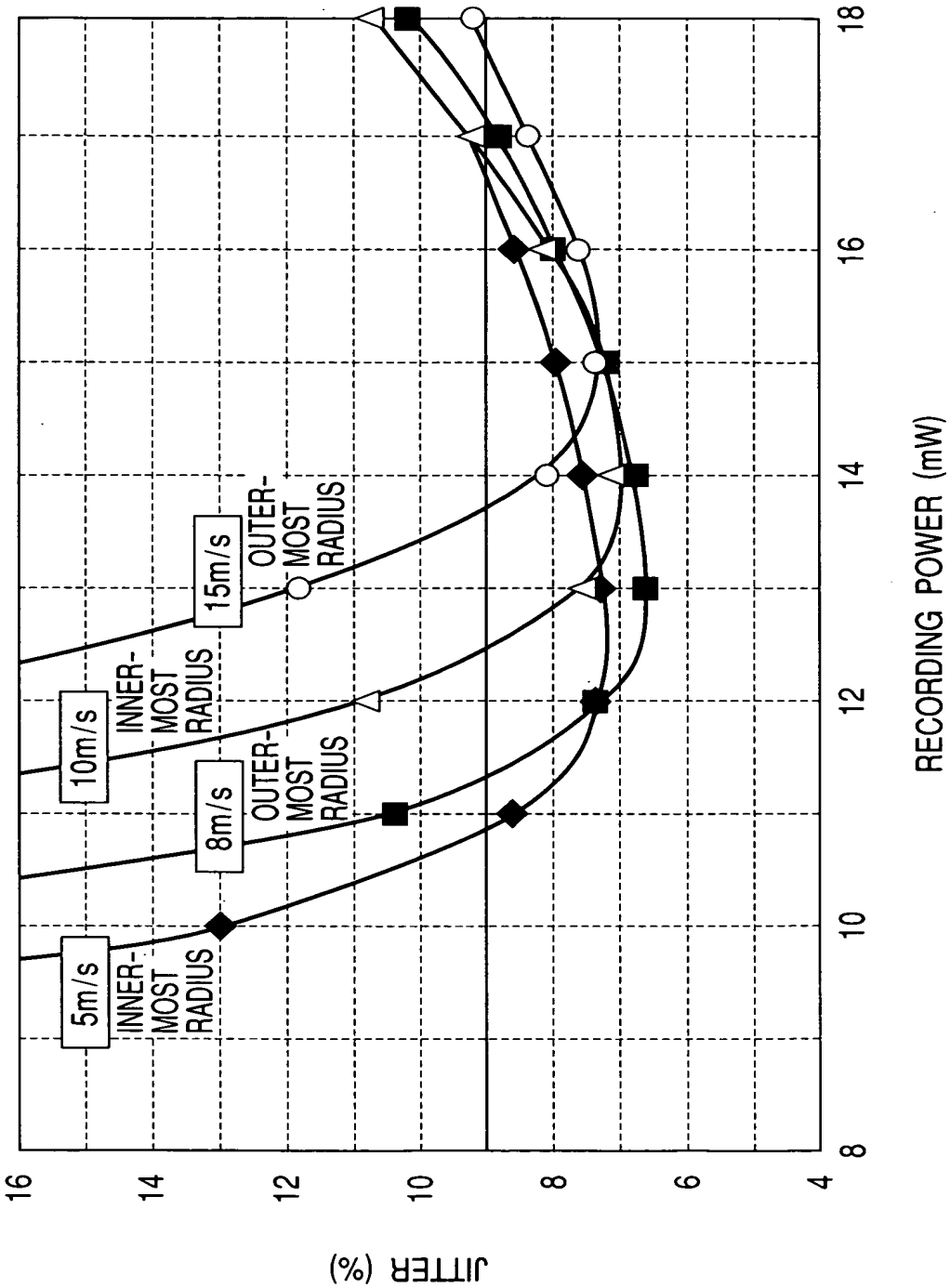
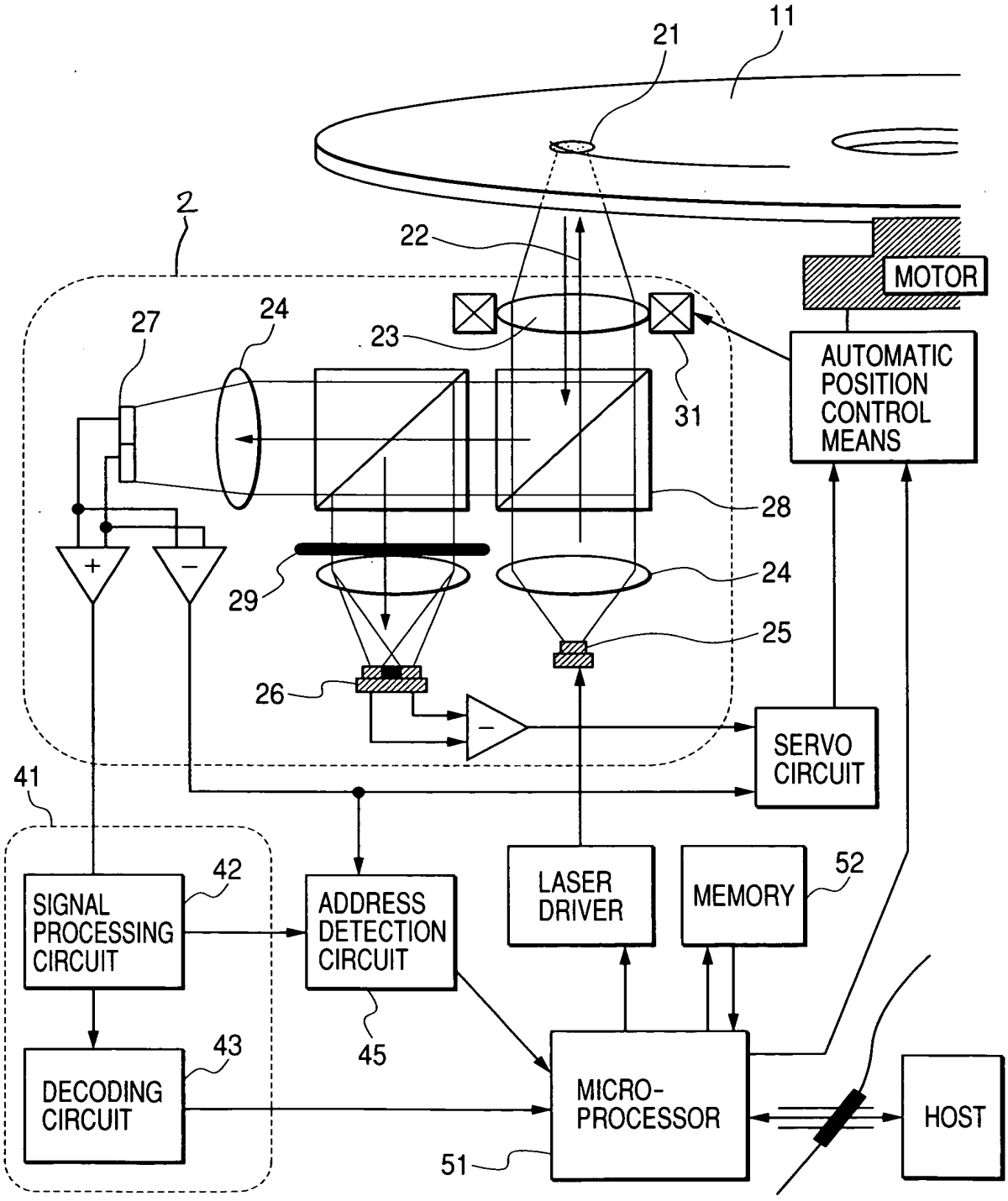

JITTER (%)
16
14
12
10
8
6
4
RECORDING POWER (mW)
8
10
12
14
16
18
5m/s
INNER-MOST RADIUS
8m/s
OUTER-MOST RADIUS
10m/s
INNER-MOST RADIUS
15m/s
OUTER-MOST RADIUS

FIG. 14


21
11
2
22
MOTOR
27
24
23
31
AUTOMATIC POSITION CONTROL MEANS
28
+
−
29
24
25
26
−
SERVO CIRCUIT
41
42
SIGNAL PROCESSING CIRCUIT
ADDRESS DETECTION CIRCUIT
LASER DRIVER
MEMORY
52
43
DECODING CIRCUIT
45
MICRO-PROCESSOR
HOST
51